FIG. 1

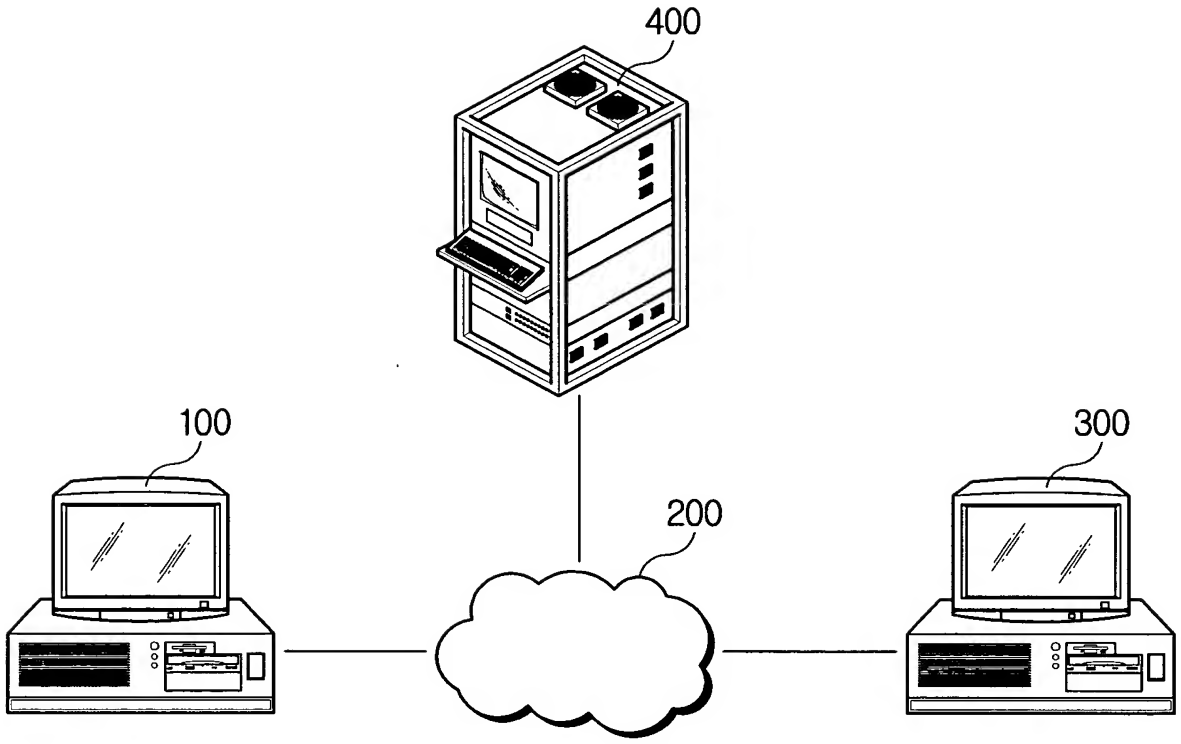


FIG. 2

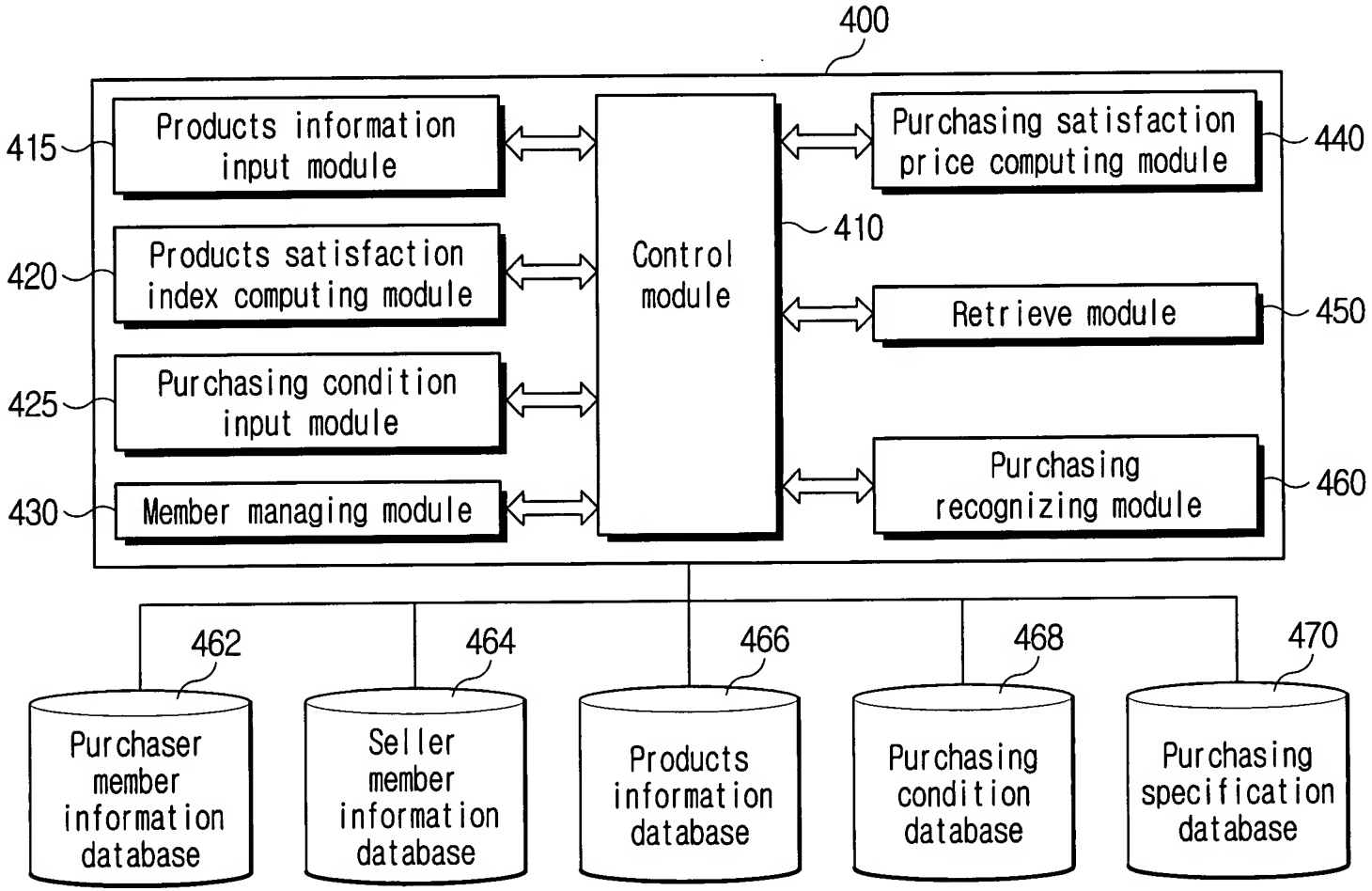

400
415
Products information input module
420
Products satisfaction index computing module
425
Purchasing condition input module
430
Member managing module
Control module
410
Purchasing satisfaction price computing module
440
Retrieve module
450
Purchasing recognizing module
460
462
Purchaser member information database
464
Seller member information database
466
Products information database
468
Purchasing condition database
470
Purchasing specification database

FIG. 3

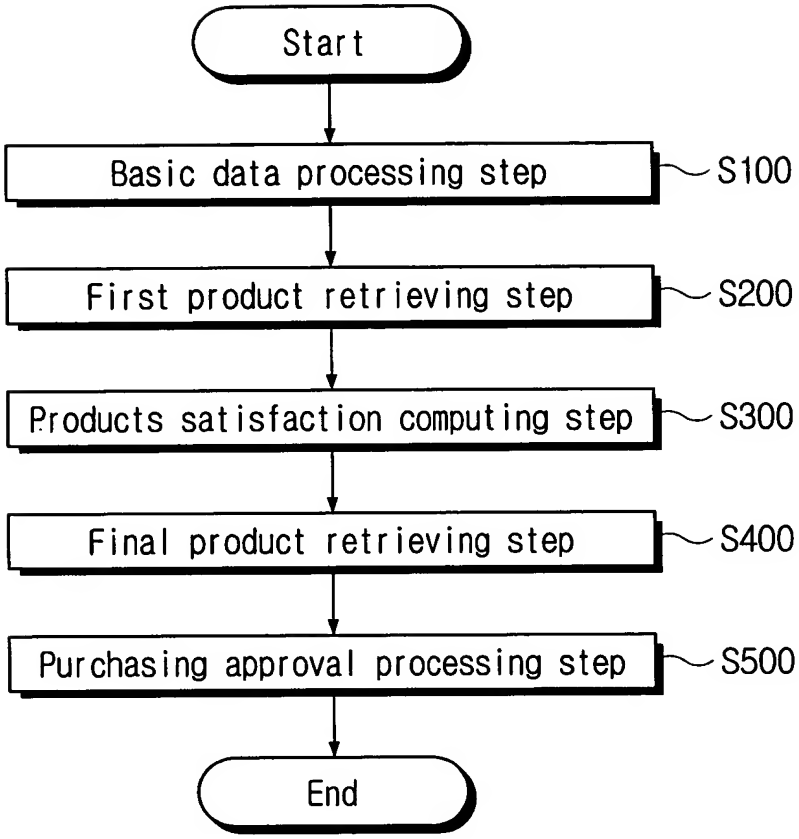

Start
Basic data processing step
S100
First product retrieving step
S200
Products satisfaction computing step
S300
Final product retrieving step
S400
Purchasing approval processing step
S500
End

FIG. 4

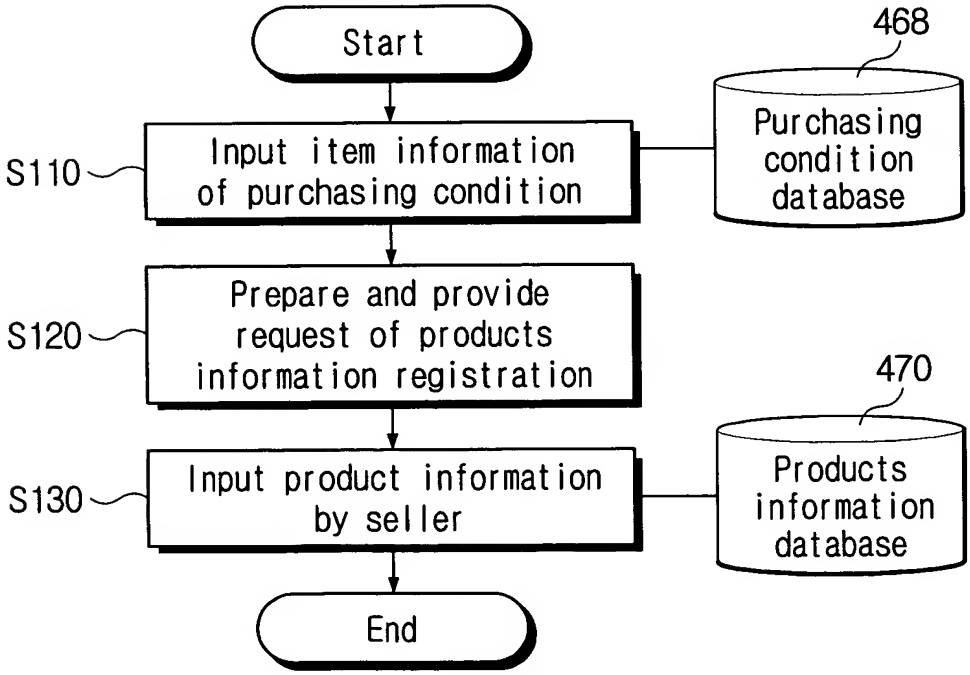

Start
468
Purchasing condition database
S110
Input item information of purchasing condition
S120
Prepare and provide request of products information registration
470
S130
Input product information by seller
Products information database
End

FIG. 5

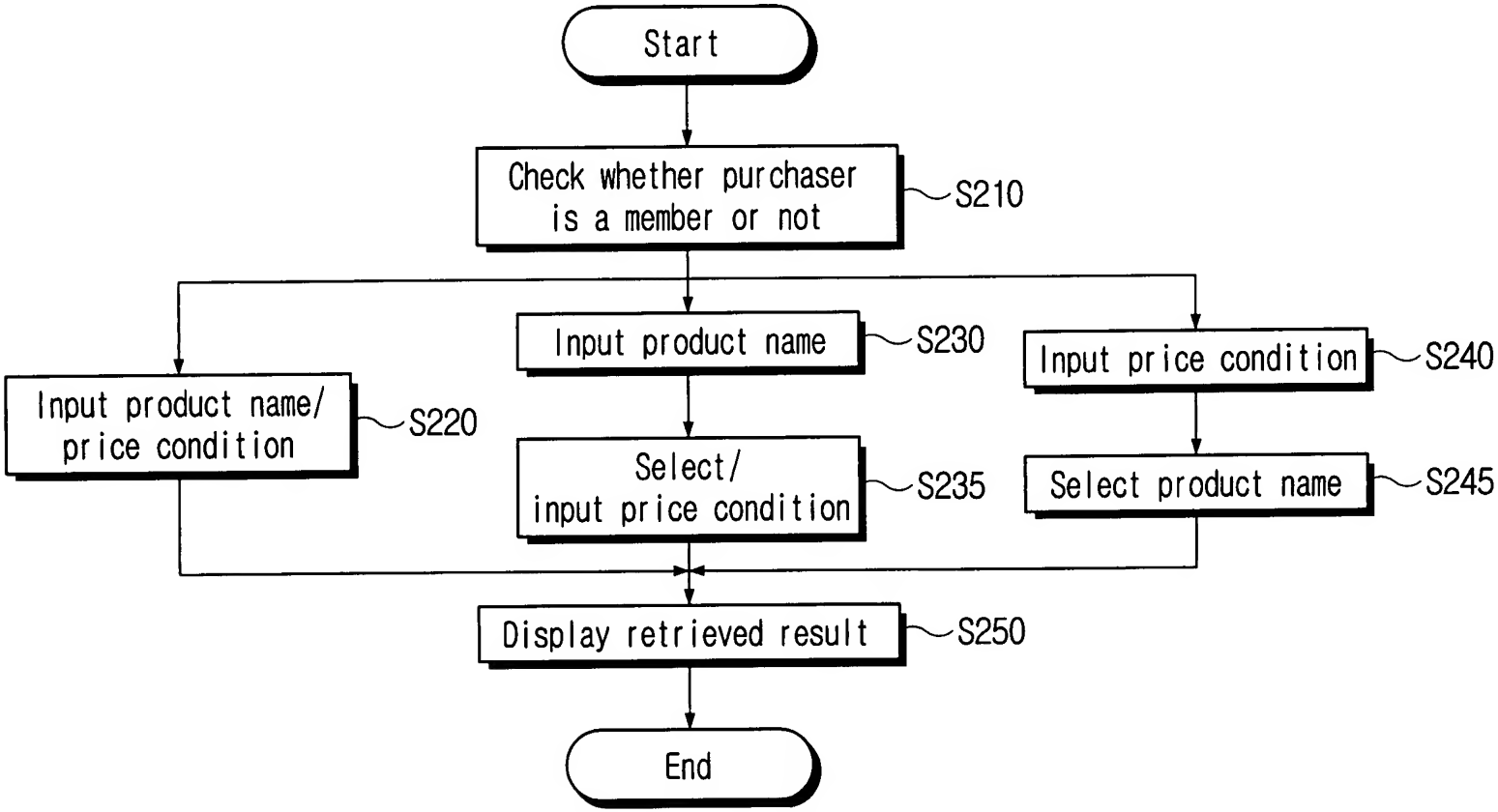

Start
Check whether purchaser is a member or not
S210
Input product name/ price condition
S220
Input product name
S230
Select/ input price condition
S235
Input price condition
S240
Select product name
S245
Display retrieved result
S250
End

FIG. 6

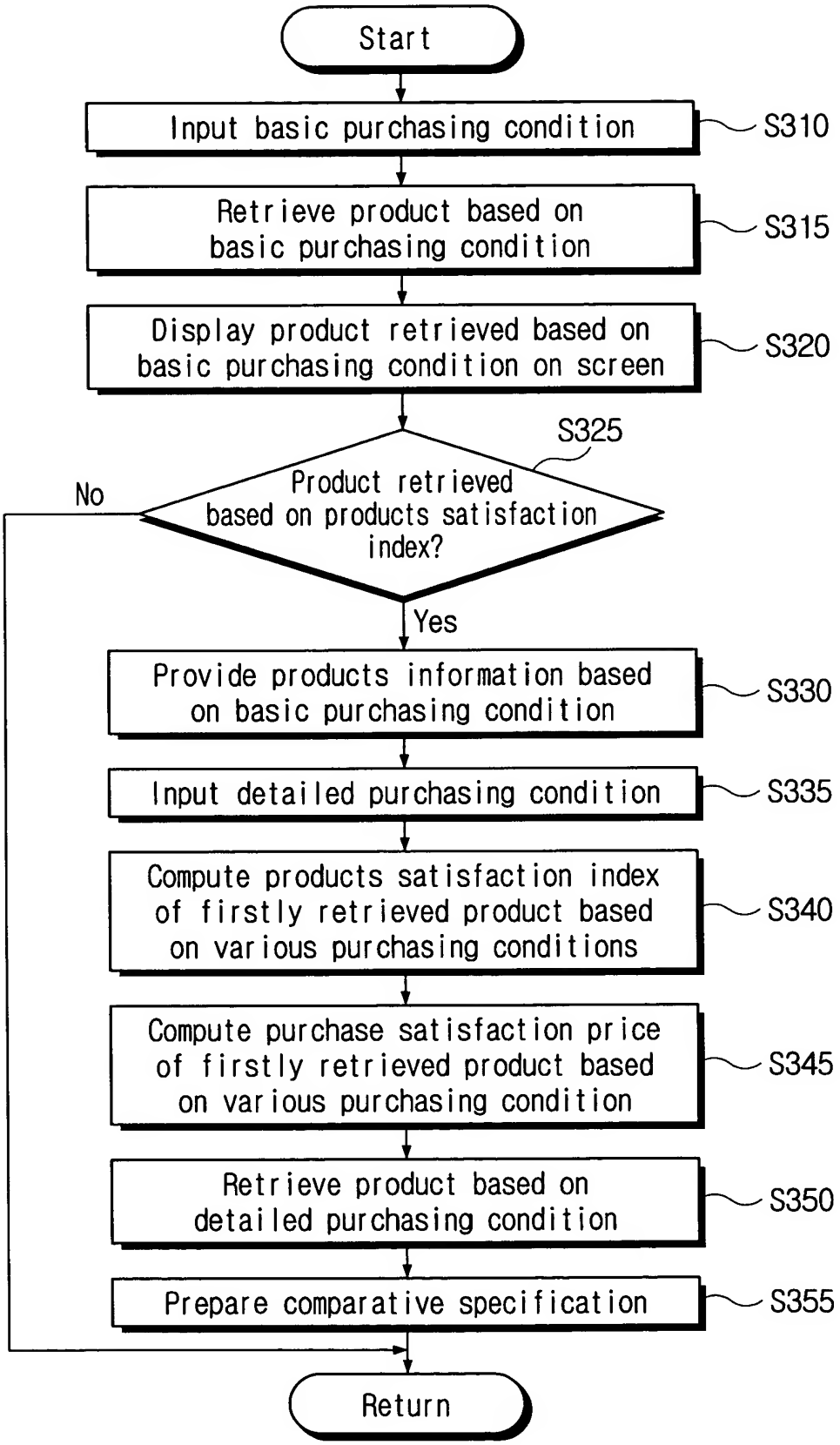

Start
Input basic purchasing condition
S310
Retrieve product based on basic purchasing condition
S315
Display product retrieved based on basic purchasing condition on screen
S320
S325
Product retrieved based on products satisfaction index?
No
Yes
Provide products information based on basic purchasing condition
S330
Input detailed purchasing condition
S335
Compute products satisfaction index of firstly retrieved product based on various purchasing conditions
S340
Compute purchase satisfaction price of firstly retrieved product based on various purchasing condition
S345
Retrieve product based on detailed purchasing condition
S350
Prepare comparative specification
S355
Return

FIG. 7

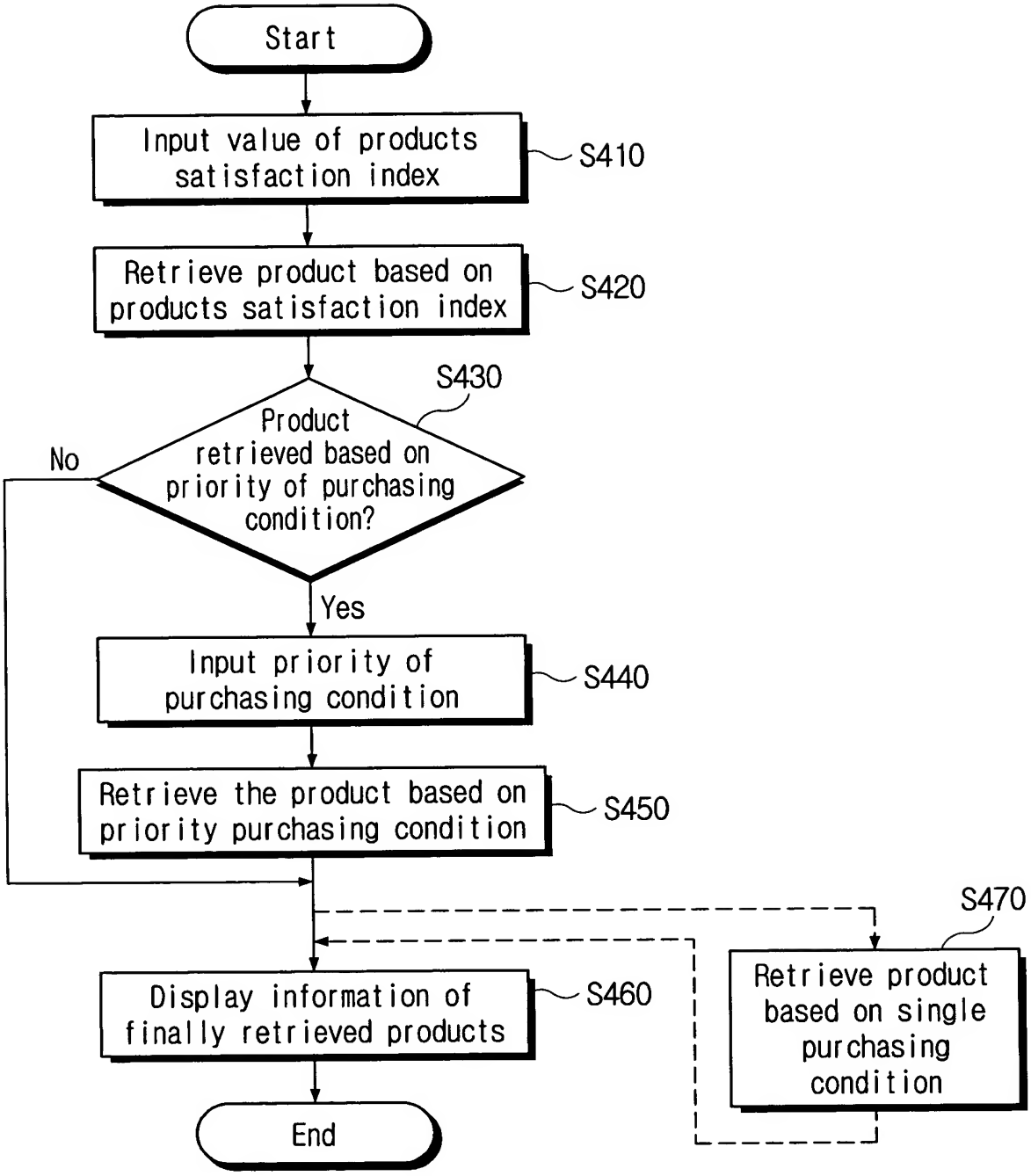

Start
Input value of products satisfaction index
S410
Retrieve product based on products satisfaction index
S420
S430
Product retrieved based on priority of purchasing condition?
No
Yes
Input priority of purchasing condition
S440
Retrieve the product based on priority purchasing condition
S450
S470
Retrieve product based on single purchasing condition
Display information of finally retrieved products
S460
End

FIG. 8

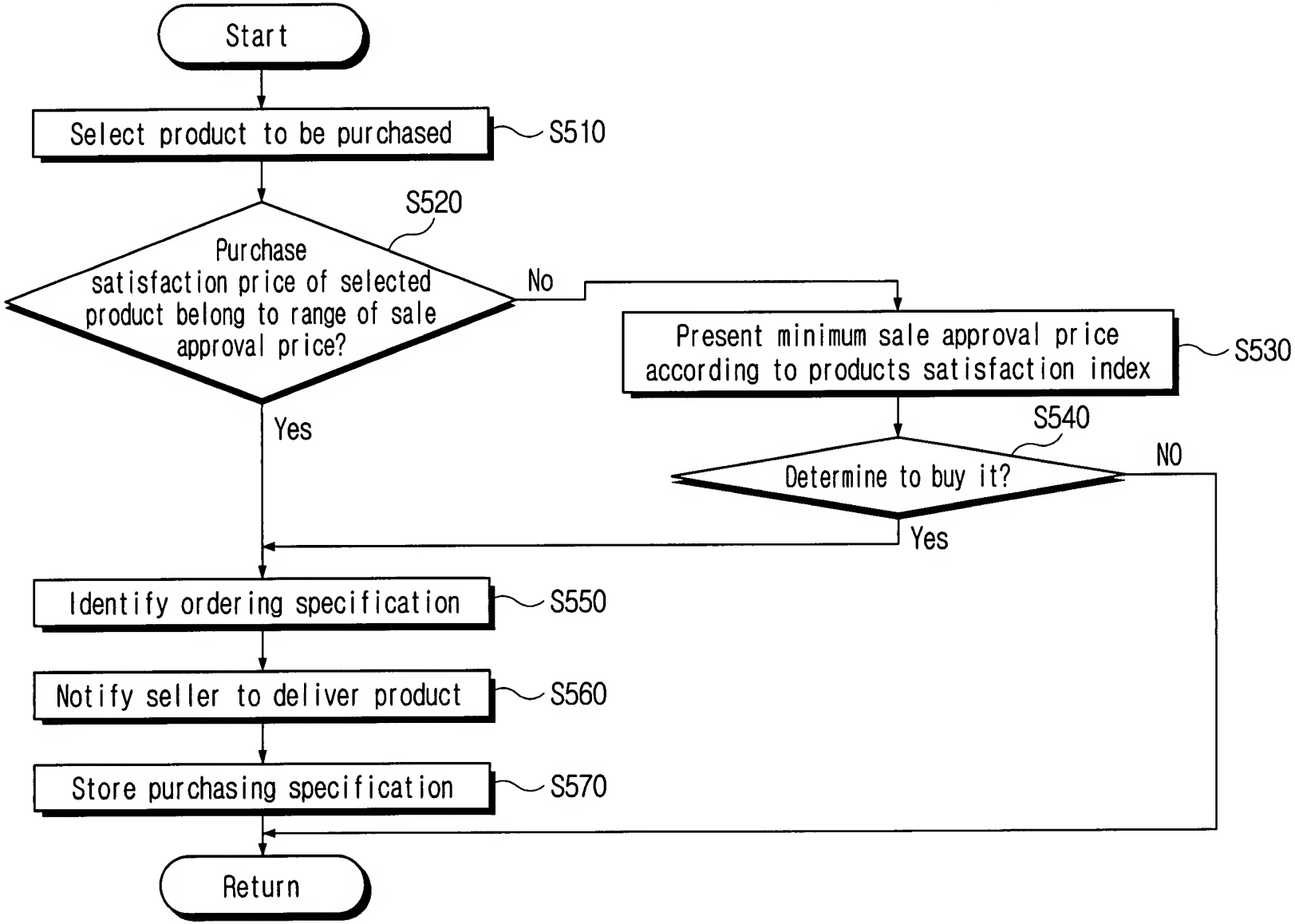

Start
Select product to be purchased
S510
S520
Purchase satisfaction price of selected product belong to range of sale approval price?
No
Present minimum sale approval price according to products satisfaction index
S530
S540
Determine to buy it?
NO
Yes
Yes
Identify ordering specification
S550
Notify seller to deliver product
S560
Store purchasing specification
S570
Return

FIG. 9

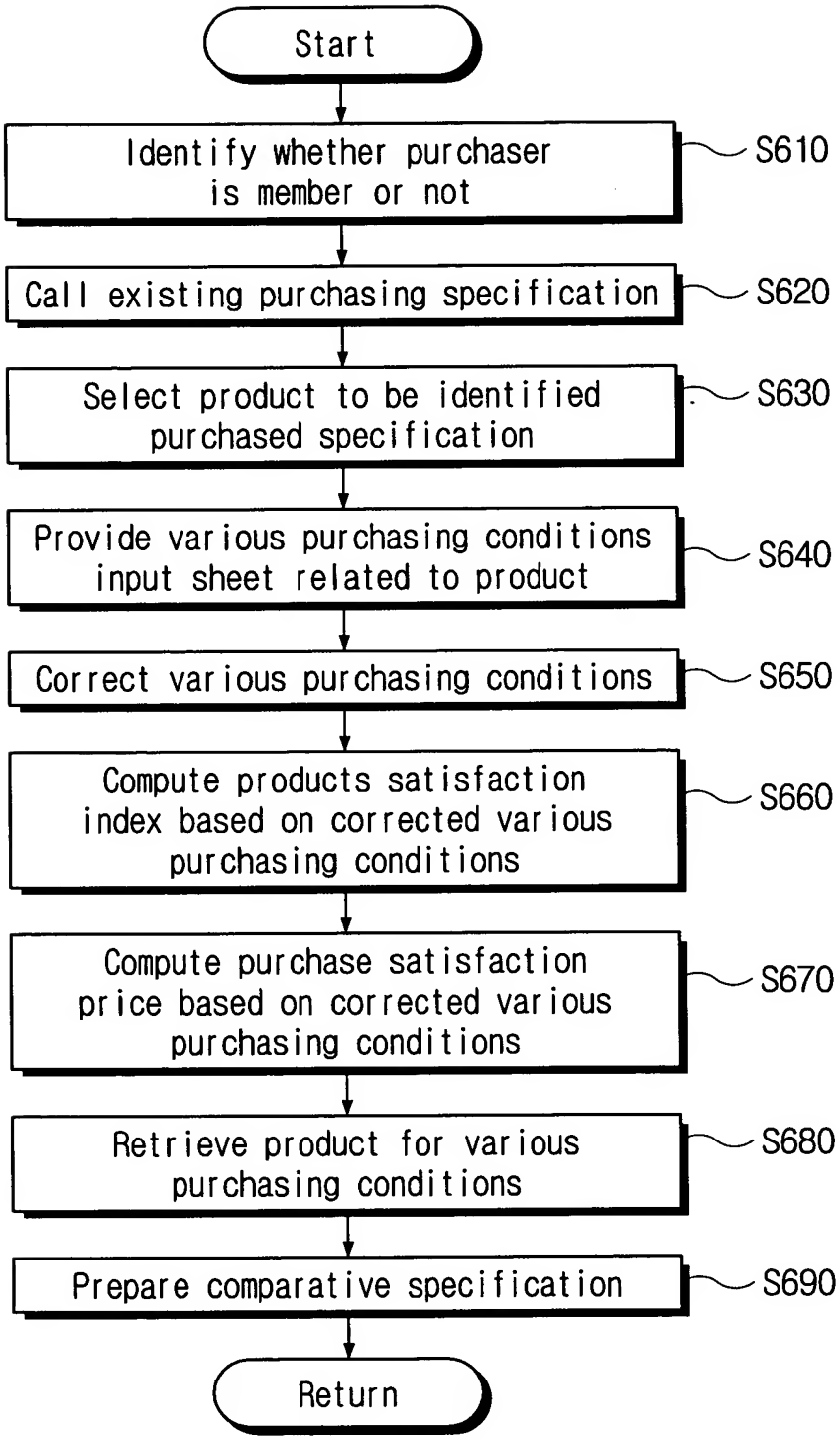

Start
Identify whether purchaser is member or not
S610
Call existing purchasing specification
S620
Select product to be identified purchased specification
S630
Provide various purchasing conditions input sheet related to product
S640
Correct various purchasing conditions
S650
Compute products satisfaction index based on corrected various purchasing conditions
S660
Compute purchase satisfaction price based on corrected various purchasing conditions
S670
Retrieve product for various purchasing conditions
S680
Prepare comparative specification
S690
Return

FIG. 10

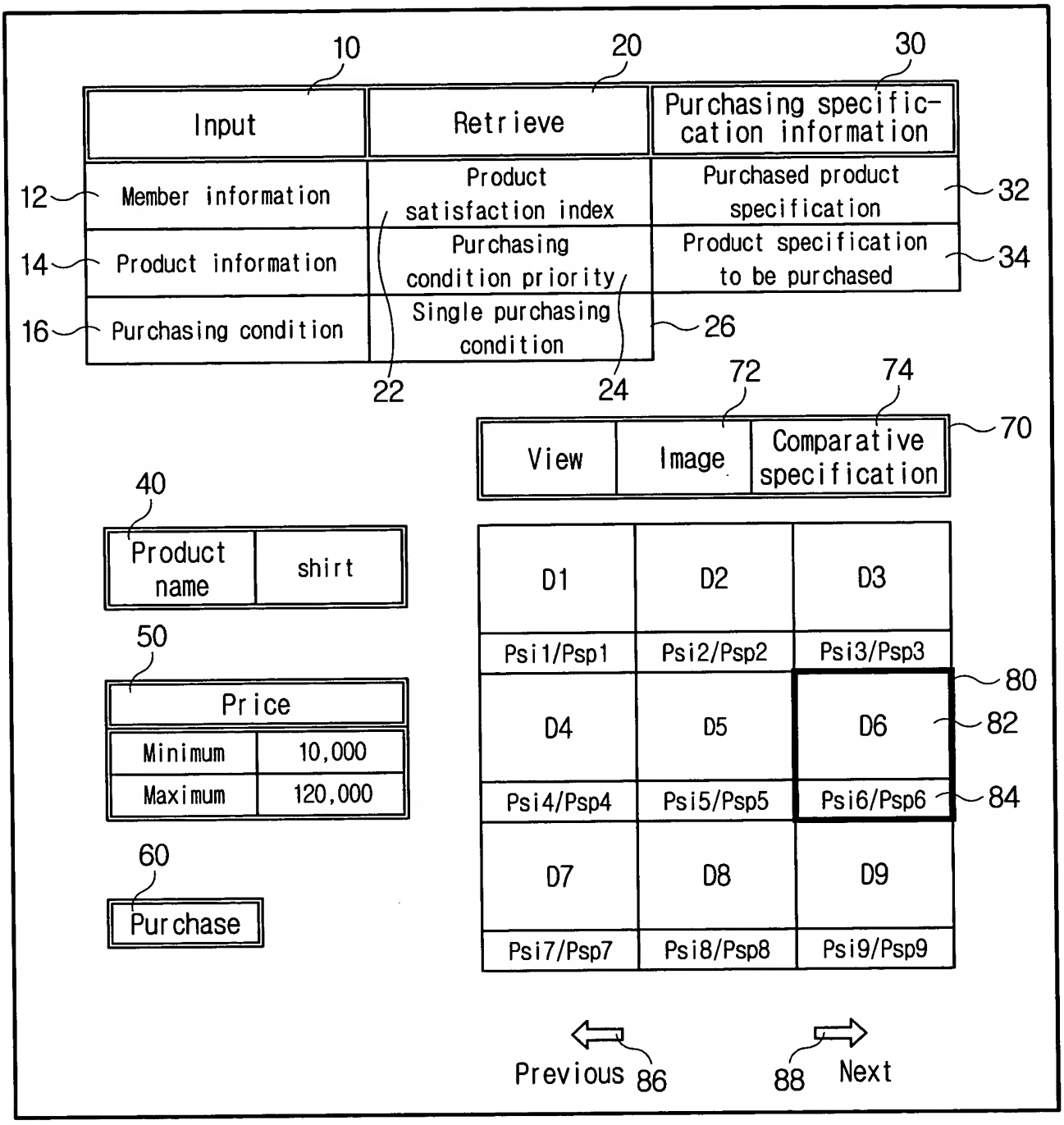

10
20
30
Input
Retrieve
Purchasing specification information
12
Member information
Product satisfaction index
Purchased product specification
32
14
Product information
Purchasing condition priority
Product specification to be purchased
34
16
Purchasing condition
Single purchasing condition
26
22
24
72
74
View
Image
Comparative specification
70
40
Product name
shirt
50
Price
Minimum
10,000
Maximum
120,000
60
Purchase
D1
D2
D3
Psi1/Psp1
Psi2/Psp2
Psi3/Psp3
80
D4
D5
D6
82
Psi4/Psp4
Psi5/Psp5
Psi6/Psp6
84
D7
D8
D9
Psi7/Psp7
Psi8/Psp8
Psi9/Psp9
Previous
86
88
Next

FIG. 11A

Request of product information registration								
Purchaser ID	kmix (display as up to eight characters except special character)							
Product name	shirt		brand	KJS				
Model No	C5896		quantity of sales	10 suit				
Product image	file name of image	C:₩data₩shirts.jpg						
Selling price	53,000 won							
Sales approvable price according to products satisfaction index	input in table 1							
size								
Product set	yes◉ no◎ no relation◎							
Construction of set	products of same kind◉ suit◎ trousers◉ skirt◎ jumper◎ jacket◎ overcoat◎ cardigan◉ vest◎ knit◎ tie◉ the others◎ no relation◎							
Sex of user	male◉ female◎ ambisextrous◎	age of user	18 to 50 years old					
marriage of user	unmarried◉ married◎ no relation◎							
body type of use	big and plump◎ big and lean◎ small and plump◎ small and lean◎ no relation◉							
occupation of user	student◎ employee◉ housewife◎ ····the others◎							
usage	business◉ sports/leisure◎ ordinary dress◎ travel◎ party◎ condolence◎ the others◎ no relation◎							
origin	domestic production◉ foreign production◎ no relation◎							
brand perception	high◉ normal◎ low◎ no relation◎							
kind of production	self-production◎ custom production(domestic)◉ custom production(foreign)◎ the others no relation◎							
producing method	handmade◎ automatic production◉ combined product◎ the others◎ no relation◎							
using season	all the year round◎ spring◎ summer◎ autumn◎ winter◎ spring/summer◎ spring/autumn◎ spring/winter◎ summer/autumn◎ summer/winter◎ autumn/winter◉ the others◎ no relation◎							
year of production	up-to-date◉ less than 3 months◎ less than 6 months◎ less than one year◎ more than one year◎ the others◎ no relation◎							
product material	wool◎ cotton◎ flax◎ silk◎ leather◎ mixed spinning◉ velvet◎ corduroy denim(jean)◎ chemical fiber◎ rayon◎ the others◎ no relation◎							
color	yes◉ no◎ no relation◎							
hue	white series◉ beige series◉ yellow series◎ red series◉ green series◎ blue series◉ violet series◎ brown series◎ gray series◉ black series◎ mixed◎ the others◎ no relation◎							
brightness	bright◎ average◎ dark◎ no relation◉							
chroma	thin◎ average◎ deep◎ no relation◉							
design	no? check◎ stripe◉ spot/drop◎ the others◎ no relation◎							
shape of neck	round◎ normal◎ V shape◉ long neck◎ the others◎ no relation◎							
style of sleeve	sleeveless◎ half sleeve◎ long sleeve◉ no relation◎							
waist line	yes◉ no◎ no relation◎							
pleats	yes◉ no◎ no relation◎							
pocket	yes◎ no◉ no relation◎							
wrinkle-free	good◉ normal◎ bad◎ no relation◎							
sweat absorption	good◉ normal◎ bad◎ no relation◎							
settlement method	credit card◎ electronic money◎ on-line depositing◎ the others◎ everything◎ no relation◉							
delivery date	prompt◎ one or two days◎ three or four days◎ more than 5 days◎ the others◎ no relation◉							
delivery region	Seoul◎ Kyung-gi◎ Kang-won◎ ····nationwide◉							
life	5 year	term of guaranty	1 year	closing time of purchase	2001 year	01 month	31 day	
predominant item	quality◉ design◎ price◎ function/effect◎ brand◎ the others◎							
other product description	input special items for custom satisfaction							
registration data of produc	2001 year	12 month	14 day					

Register Correct Cancel

FIG. 11B

Products satisfaction index	reducing rate	Minimum sale allowance price
96-100	4.0%	50,880
91-95	4.5%	50,615
86-90	5.0%	50,350
81-85	5.5%	50,085
76-80	6.0%	49,820
71-75	6.5%	49,555
up to 70	7.0%	49,290

FIG. 12A

Basic purchasing condition input sheet			
Product name	shirt		
set	no want◎ want⊙ no relation◎		
prince range	40,000 won from	60,000 won to	
quantity of purchase	1 suit		
user	the subject◎ the others⊙ no relation◎		
sex of user	male⊙ female◎ ambisextrous◎	age of user	20 to 25 years old
marriage of user	unmarried⊙ married◎ no relation◎		
body type of use	big and plump◎ big and lean⊙ small and plump◎ small and lean◎ no relation◎		
occupation of user	student◎ employee⊙ housewife◎ ····the others◎		
usage	business⊙ sports/leisure◎ ordinary dress◎ travel◎ party◎ condolence◎ the others◎ no relation◎		
predominant item	quality⊙ design◎ price◎ function/effect◎ brand◎ the others◎ no relation◎		

general retrieve detailed retrieve

FIG. 12B

products information	
hue	beige, red, green, gray
brightness	bright
chroma	thin
design	no, stripe
shape of neck	V shape
purchasing condition	want no want

FIG. 12C

Detailed purchasing conditions input sheet	
origin	domestic production⊙ foreign production◎ no relation◎
brand perception	high⊙ normal◎ low◎ no relation◎
kind of production	self-production⊙ custom production(domestic)◎ custom production(foreign)◎ the others no relation◎
producing method	handmade◎ automatic production⊙ combined product◎ the others◎ no relation◎
Construction of set	products of same kind⊙ suit◎ trousers⊙ skirt◎ jumper◎ jacket◎ overcoat◎ cardigan⊙ vest◎ knit◎ tie⊙ the others◎ no relation◎
using season	all the year round◎ spring◎ summer◎ autumn◎ winter◎ spring/summer◎ spring/autumn◎ spring/winter◎ summer/autumn◎ summer/winter◎ autumn/winter⊙ the others◎ no relation◎
year of production	up-to-date⊙ less than 3 months◎ less than 6 months◎ less than one year◎ more than one year◎ the others◎ no relation◎
product material	wool◎ cotton⊙ flax◎ silk◎ leather◎ mixed spinning◎ velvet◎ corduroy denim(jean)◎ chemical fiber◎ rayon◎ the others◎ no relation◎
color	yes⊙ no◎ no relation◎
hue	white series◎ beige series⊙ yellow series◎ red series◎ green series◎ blue series◎ violet series◎ brown series◎ gray series◎ black series◎ mixed◎ the others◎ no relation◎
brightness	bright⊙ average◎ dark◎ no relation◎
chroma	thin⊙ average◎ deep◎ no relation◎
design	no⊙ check◎ stripe◎ spot/drop◎ the others◎ no relation◎
shape of neck	round◎ normal◎ V shape⊙ long neck◎ the others◎ no relation◎
style of sleeve	sleeveless◎ half sleeve◎ long sleeve⊙ no relation◎
waist line	yes⊙ no◎ no relation◎
pleats	yes⊙ no◎ no relation◎
pocket	yes⊙ no◎ no relation◎
wrinkle-free	good⊙ normal◎ bad◎ no relation◎
sweat absorption	good⊙ normal◎ bad◎ no relation◎
settlement method	credit card⊙ electronic money◎ on-line depositing◎ the others◎ everything◎ no relation◎
delivery date	prompt◎ one or two days◎ three or four days⊙ more than 5 days the others◎ no relation◎
delivery region	Seoul⊙ Kyung-gi◎ Kang-won◎ ····nationwide◎

confirm Correct Cancel

FIG. 13

No.	purchasing condition items	Product selection criteria/predominant item				
		quality	design	price	function/effect	brand
1	set			0	0	
2	price	0	0	0	0	0
3	sex of user		0		0	
4	age of user(class)		0		0	
5	marriage of user		0	0		0
6	body type of user		0		0	
7	occupation of user		0	0	0	0
8	usage		0	0	0	
9	origin	0				0
10	brand perception			0		0
11	kind of production			0		0
12	producing method		0	0		0
13	construction of set			0	0	
14	using season		0		0	
15	year of production		0	0		
16	product material	0		0	0	
17	color		0			
18	hue		0			
19	brightness		0			
20	chroma		0			
21	design		0			
22	shape of neck		0		0	
23	style of sleeve		0		0	
24	waist line		0		0	
25	pleats		0			
26	pocket		0		0	
27	wrinkle-free	0			0	
28	sweat absorption	0			0	
29	settlement method			0		
30	delivery date			0		
31	delivery region			0		

FIG. 14A

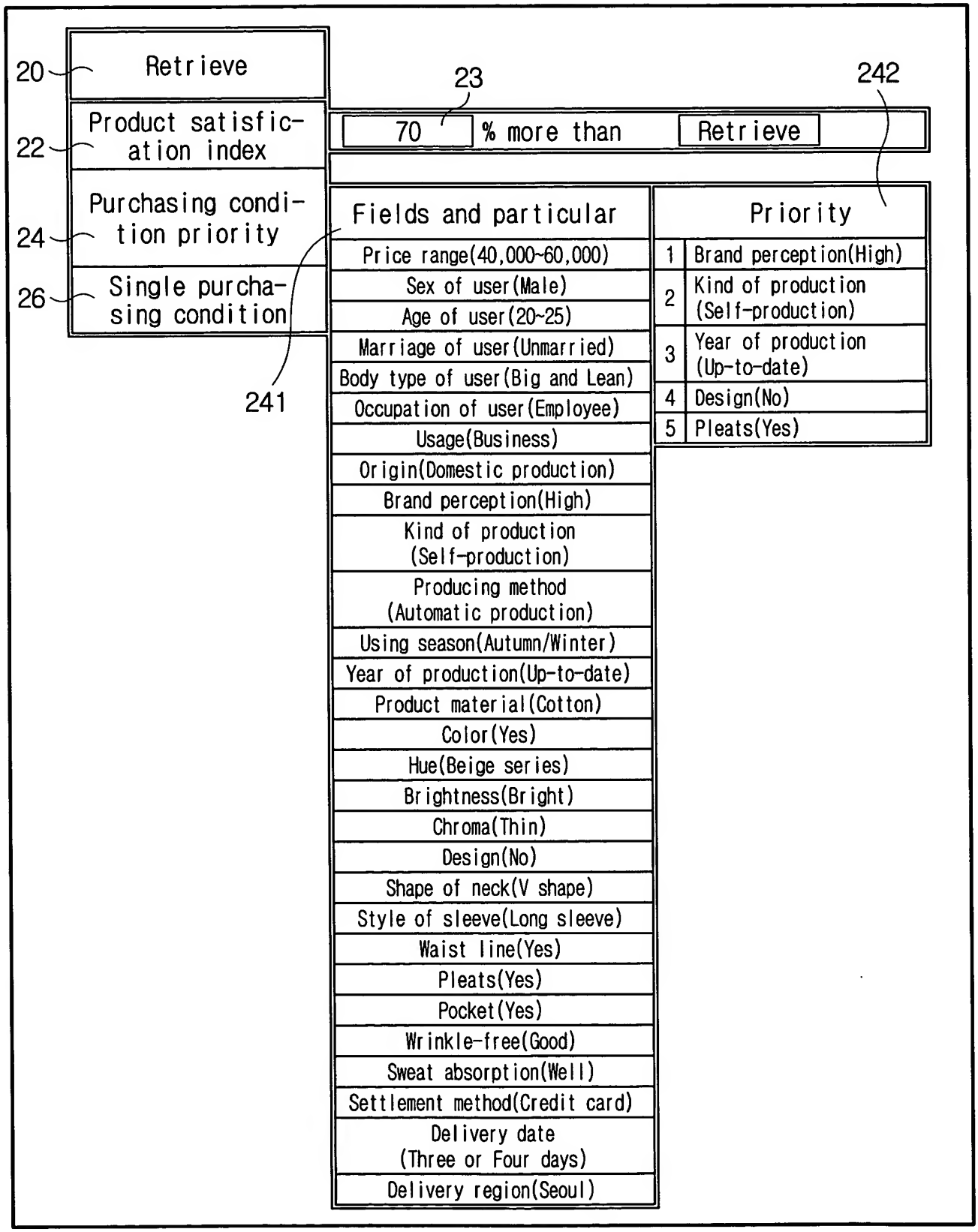

20
Retrieve
22
Product satisfic-ation index
24
Purchasing condi-tion priority
26
Single purcha-sing condition
23
70
% more than
Retrieve
242
241
Fields and particular
Price range(40,000~60,000)
Sex of user(Male)
Age of user(20~25)
Marriage of user(Unmarried)
Body type of user(Big and Lean)
Occupation of user(Employee)
Usage(Business)
Origin(Domestic production)
Brand perception(High)
Kind of production (Self-production)
Producing method (Automatic production)
Using season(Autumn/Winter)
Year of production(Up-to-date)
Product material(Cotton)
Color(Yes)
Hue(Beige series)
Brightness(Bright)
Chroma(Thin)
Design(No)
Shape of neck(V shape)
Style of sleeve(Long sleeve)
Waist line(Yes)
Pleats(Yes)
Pocket(Yes)
Wrinkle-free(Good)
Sweat absorption(Well)
Settlement method(Credit card)
Delivery date (Three or Four days)
Delivery region(Seoul)
Priority
1 Brand perception(High)
2 Kind of production (Self-production)
3 Year of production (Up-to-date)
4 Design(No)
5 Pleats(Yes)

FIG. 14B

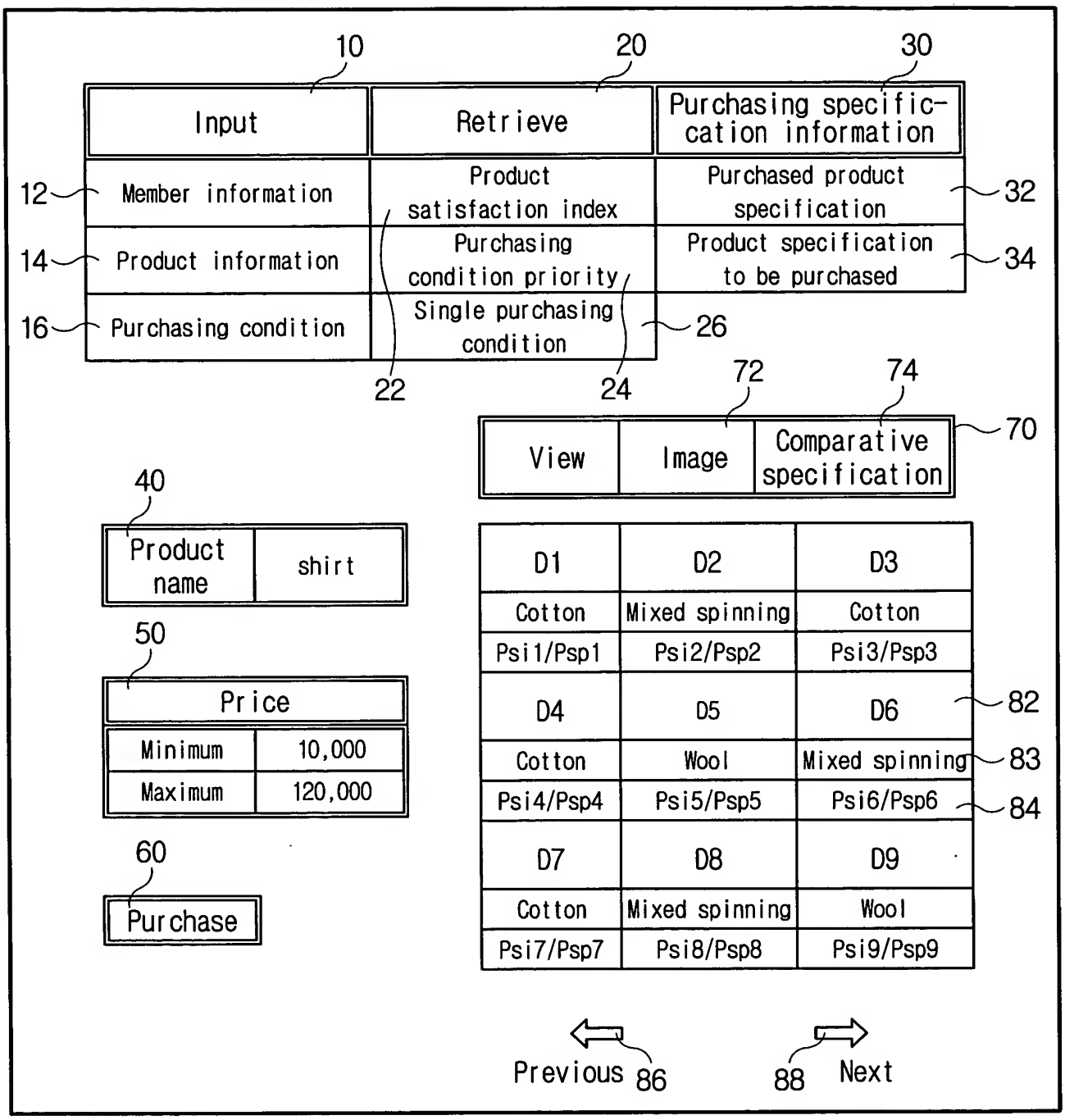

10
20
30
Input
Retrieve
Purchasing specification information
12
Member information
Product satisfaction index
Purchased product specification
32
14
Product information
Purchasing condition priority
Product specification to be purchased
34
16
Purchasing condition
Single purchasing condition
26
22
24
72
74
View
Image
Comparative specification
70
40
Product name
shirt
50
Price
Minimum
10,000
Maximum
120,000
60
Purchase
D1
D2
D3
Cotton
Mixed spinning
Cotton
Psi1/Psp1
Psi2/Psp2
Psi3/Psp3
D4
D5
D6
82
Cotton
Wool
Mixed spinning
83
Psi4/Psp4
Psi5/Psp5
Psi6/Psp6
84
D7
D8
D9
Cotton
Mixed spinning
Wool
Psi7/Psp7
Psi8/Psp8
Psi9/Psp9
Previous
86
88
Next

FIG. 15A

No.	product model name	company name	product satisfaction index	product dissatisfaction index	selling price	sale satisfaction price	product dissatisfaction factors
1	A3589	Gemsung	93.7	6.3	55,000	51,500	brand perception
2	C5896	Kornong	91.9	8.1	53,000	48,700	product material, pocket
3	D2879	Star	88.7	11.3	53,000	47,000	brand perception, color
4	E5569	Gucci	87.9	12.1	54,000	47,400	origin, brightness
5	C7788	Heyin	87.9	12.1	52,000	45,700	producing method, brightness
6	A1012	Nari	84.8	15.2	45,000	38,100	origin, hue, brightness
7	B3879	Jane	81.8	18.2	48,000	39,200	brand perception, product material
8	F6897	Hyensang	78.8	21.2	44,000	34,600	brand perception, hue, color, use
9	A2251	Juhyun	75.8	24.2	43,000	32,500	brand perception, origin, hue, color
10	G5879	Yujin	72.7	27.3	42,000	30,500	producing method, hue, brightness, color

FIG. 15B

No.	product model name	company name	product satisfaction index	product dissatisfaction index	selling price	sale satisfaction price	product dissatisfaction factors
2	C5896	Kornong	91.9	8.1	53,000	48,700	product material, pocket
4	E5569	Gucci	87.9	12.1	54,000	47,400	origin, brightness
5	C7788	Heyin	87.9	12.1	52,000	45,700	producing method, brightness
6	A1012	Nari	84.8	15.2	45,000	38,100	origin, hue, brightness
10	G5879	Yujin	72.7	27.3	42,000	30,500	producing method, hue, brightness, color
1	A3589	Gemsung	93.7	6.3	55,000	51,500	brand perception
3	D2879	Star	88.7	11.3	53,000	47,000	brand perception, color
8	F6897	Hyensang	78.8	21.2	44,000	34,600	brand perception, hue, color, use
9	A2251	Juhyun	75.8	24.2	43,000	32,500	brand perception, origin, hue, color
7	B3879	Jane	81.8	18.2	48,000	39,200	brand perception, product material

FIG. 16

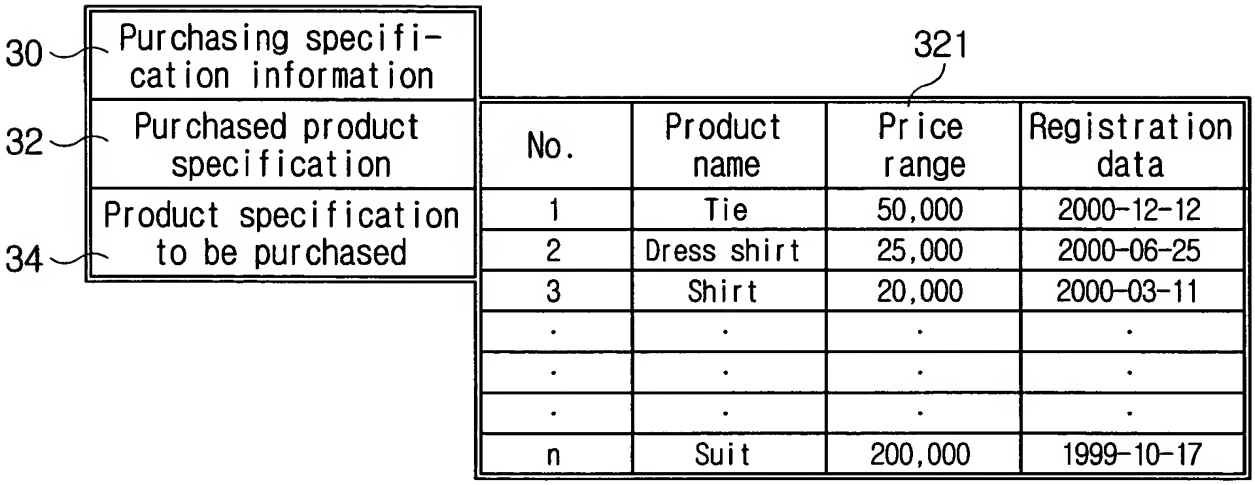
Basic purchasing conditions input sheet	
Product name	tie
set	unwanted◎ wanted◎ no relation◎
size	won from won to
quantity of purchase	suit
user of product	the subject◎ the others◎ no relation◎
Sex of user	male⊙ female◎ ambisextrous◎ age of user to years old
body type of use	big and plump◎ big and lean◎ small and plump◎ small and lean◎ no relation⊙
feeling	practical◎ classic◎ comfortable◎ refine◎ elegance◎ simple◎ the others◎ no relation◎
predominant item	quality◎ design◎ price◎ function/effect◎ brand◎ the others◎

general retrieve detailed retrieve

Detailed purchasing conditions input sheet	
origin	domestic production⊙ foreign production◎ no relation◎
brand perception	high⊙ normal◎ low◎ no relation◎
kind of production	self-production◎ custom production(domestic)⊙ custom production(foreign)◎ the others no relation◎
producing method	handmade◎ automatic production⊙ combined product◎ the others◎ no relation◎
Construction of set	products of same kind◎ suit◎ trousers◎ skirt◎ jumper◎ jacket◎ overcoat◎ shirt◎ cardigan◎ vest◎ knit◎ the others◎ no relation◎
usage	business⊙ sports/leisure◎ ordinary dress◎ travel◎ party◎ condolence◎ the others◎ no relation◎
using season	all the year round◎ spring◎ summer◎ autumn◎ winter◎ spring/summer◎ spring/autumn◎ spring/winter◎ summer/autumn◎ summer/winter◎ autumn/winter⊙ the others◎ no relation◎
product material	wool◎ cotton◎ flax◎ silk◎ leather◎ mixed spinning⊙ velvet◎ corduroy denim(jean)◎ chemical fiber◎ rayon◎ the others◎ no relation◎
hue	white series◎ beige series◎ yellow series◎ red series⊙ green series◎ blue series◎ violet series◎ brown series◎ gray series⊙ black series◎ mixed◎ the others◎ no relation◎
brightness	bright◎ average◎ dark◎ no relation⊙
chroma	thin◎ average◎ deep◎ no relation⊙
design	no◎ check◎ stripe◎ spot/drop⊙ the others◎ no relation◎
length of tie	long⊙ medium◎ short◎ no relation◎
width	wide◎ medium◎ narrow⊙ no relation◎
shape	pot⊙ straight◎ ribbon◎ no relation◎
year of production	up-to-date⊙ less than 3 months◎ less than 6 months◎ less than one year◎ more than one year◎ the others◎ no relation◎

Confirm Correct Cancel

FIG. 17


30
Purchasing specification information
32
Purchased product specification
34
Product specification to be purchased
321
No.
Product name
Price range
Registration data
1
Tie
50,000
2000-12-12
2
Dress shirt
25,000
2000-06-25
3
Shirt
20,000
2000-03-11
n
Suit
200,000
1999-10-17